

Converting Colors

`RYB(213, 109, 227)`

Have a look what the booklet for
RYB(213, 109, 227) contains.

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Color

$\text{RYB}(213, 109, 227)$

Conversions

Conversions Part 1

Format	Color
Hex	D56DE3
RGB	213, 109, 227
RGB Percent	84%, 43%, 89%
CMY	0.1647, 0.5725, 0.1098
CMYK	0.06, 0.52, 0.00, 0.11
HSL	293°, 68%, 66%
HSV	293°, 52%, 89%
XYZ	46.7743, 30.6295, 76.1198
YIQ	153.5480, 24.1060, 58.7460

Conversions

Conversions Part 2

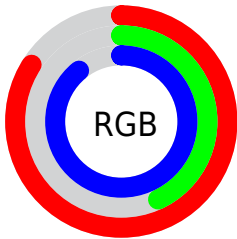
Format	Color
R _{YB}	213, 109, 227
Decimal	13987299
CIE _{Lab}	62.19, 57.71, -42.69
CIE _{LCh}	62, 71.784, 323.511
Y _{xy}	30.6295, 0.3047, 0.1995
Android (android.graphics.Color)	4292177379 (0xFFD56DE3)
YUV	153.5480, 36.2118, 52.1394
Hunter-Lab	55.3439, 54.0089, -42.8066

Details

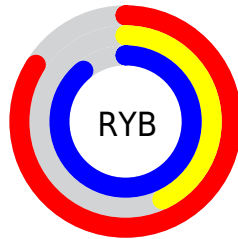
The RYB color **213, 109, 227** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **109, 227, 213**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **255, 164, 255**, and **156, 54, 171** is the 20% darker color. If you saturate the color by 10%, you get **210, 86, 227**, and if you desaturate by 10%, it is **216, 132, 227**.

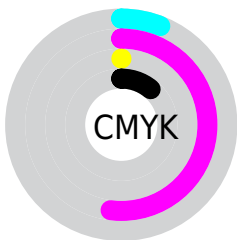
Distribution



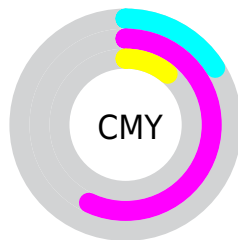
- Red (84%)
- Green (43%)
- Blue (89%)



- Red (84%)
- Yellow (43%)
- Blue (89%)



- Cyan (6%)
- Magenta (52%)
- Yellow (0%)
- Black (11%)




- Cyan (16%)
- Magenta (57%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 213, 109, 227 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 213, 109, 227 by changing the saturation by 10% instead.

 213, 109, 227

 213, 109, 227

255, 255, 255

 184, 82, 199


 255, 164, 255

 156, 54, 171

 255, 192, 255

 128, 22, 144


 255, 221, 255

 101, 0, 118

 255, 251, 255

 74, 0, 93

 49, 0, 69

 19, 0, 45

 0, 1, 24

 0, 0, 0

■ 213, 109, 227

■ 213, 109, 227

■ 210, 86, 227

■ 216, 132, 227

■ 208, 64, 227

■ 218, 154, 227

■ 205, 41, 227

■ 221, 177, 227

■ 202, 18, 227

■ 224, 200, 227

■ 200, 0, 227

■ 226, 222, 227

■ 227, 245, 243

■ 227, 255, 250

■ 227, 255, 247

■ 227, 255, 245

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



119, 136, 255



213, 109, 227



255, 84, 167

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



213, 109, 227



66, 192, 0



0, 94, 199

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



213, 109, 227



109, 227, 213

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



0, 102, 178



213, 109, 227



0, 162, 30

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



213, 109, 227



237, 158, 45



30, 142, 173



0, 103, 252

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



213, 109, 227



255, 84, 124



30, 142, 173



0, 91, 180

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



213, 109, 227



250, 214, 255



109, 123, 227



125, 103, 128



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



213, 109, 227



236, 97, 255



227, 109, 184



113, 103, 115



157, 0, 179



45, 0, 51

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



227, 109, 123



255, 97, 116



109, 195, 227



115, 103, 105



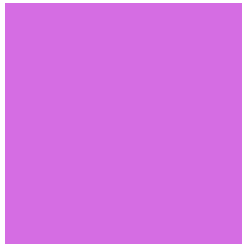
179, 0, 21



51, 0, 6

Previews

White Background



This preview shows how the RYB color 213, 109, 227 looks on a white background.

Color Contrast Check

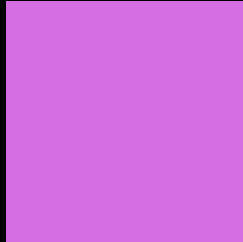
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 213, 109, 227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

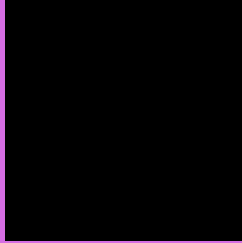
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 213, 109, 227 Background



This preview shows how black text looks on a background with the RYB color 213, 109, 227.

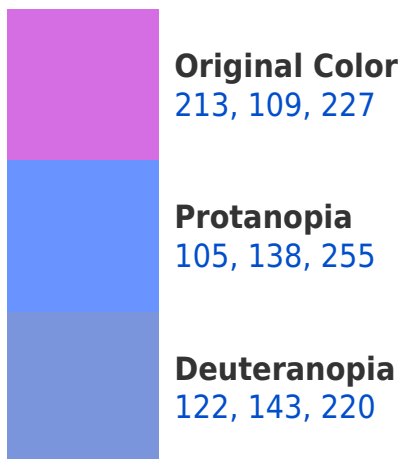



This preview shows how white text looks on a background with the RYB color 213, 109, 227.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
202, 131, 140

Trichromacy



Original Color

213, 109, 227



Protanomaly

144, 133, 245



Deuteranomaly

155, 134, 223



Tritanomaly

206, 123, 172

Monochromacy



Original Color

213, 109, 227



Achromatopsia

154, 154, 154



Achromatomaly

175, 138, 181

CSS Examples

Text

The CSS property to change the color of the text to RYB 213, 109, 227 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(213, 109, 227) looks like.

```
.text, #text, p{  
    color:rgb(213, 109, 227)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(213, 109, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 109, 227) }
```

Border

The CSS property to change the border of an element to RYB 213, 109, 227 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(213, 109, 227) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(213, 109, 227) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(213, 109, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 109, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 109, 227);  
box-shadow:4px 4px 4px 4px rgb(213, 109,  
227) }
```

Background

The CSS property to change the background color of an element to RGB 213, 109, 227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 109, 227) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(213,  
109, 227) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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